

SCIENCE

And Technology Program



Theme Area: Facilities and Infrastructure

Program Area: Hydroelectric Infrastructure Protection

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Project Title: Operations Management Tools

Principal Investigator: Bruce Lonnecker, e-mail: blonnecker@do.usbr.gov

Co-Principal Investigators: Paul Price and Lori Rux

Abstract: As the electric power industry restructures and becomes more competitive, there is increasing pressure on hydro operators to reduce O&M costs and increase plant availability. At the same time, there are the combined demands of aging powerplants and widespread loss of experienced personnel. Reclamation is continually challenged to be a safe, reliable, and economic producer of electricity and provider of ancillary services. Various tools and methods have been developed and are available for improving plant operations. In today's dynamic environment, the challenge is to discover, utilize, and share those tools to serve the needs and interests of Reclamation. Operations Research encompasses any type of research which will provide solutions, awareness, or investigation of new technologies or processes that will improve operations and help Reclamation facility managers address upcoming technical/policy issues.

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